ANARTS RTTY News Bulletin 949 09 March 1997

This is the Australian National Amateur Radio Teleprinter Society
with our weekly Rtty broadcast. We transmit on the following
frequencies and times :

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  3.545 MHz (Plus/minus 5)   0930 UTC     VK2CTD (COL)
  7.045 MHz  -3              0030 UTC     VK2CTD (COL)
 14.070 MHz (amtor/fec)      0030 UTC     VK2DPM (ALAN)
 14.091 MHz                  0030 UTC     VK2DPM (ALAN)
146.675 MHz             0030/0930 UTC     VK2JPA (PAT)
144.850 MHz (ax25 bbs)                    VK2JPA AT VK2WI
146.675 MHz (rtty mmbbs/repeater)         VK2RTY
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those of the Broadcast Officer, the Relay Officers, or of the
Society.

A.N.A.R.T.S. News Bulletin 949 09 March 1997

Silent Key

Arthur Harris VK2FFH passed away most unexpectedly on the 28th Feb.
Arthur was very well known on many Amateur Radio nets including :
the AFARN, fishers Ghost net, the Wagga net and the NSW Central
Coast net. our condolences to his family.
Vale Arthur VK2FFH.

COLS COLUMN

WE RETURN THIS WEEK TO THE SERIES ON EARLY COMMUNICATIONS AND
CONTINUE WITH JOSEPH HENRY.

YOU WILL RECALL THAT HENRY DISCOVERED THE IMPORTANT PRINCIPLE
THAT THE RESISTANCE OF A LOAD IN A CIRCUIT MUST BE MATCHED TO
THE RESISTANCE OF THE POWER SOURCE, USUALLY IN HIS DAY A
BATTERY. YOU WILL ALSO RECALL THAT HE DISCOVERED THAT A LARGE
SINGLE CELL HAS A LOW VOLTAGE AND LOW RESISTANCE, WHILE A
MULTI CELLED BATTERY HAS A HIGH VOLTAGE AND HIGH RESISTANCE.
USING BATTERIES OF DIFFERENT VOLTAGES AND RESISTANCES HE
DISCOVERED HIS MOST IMPORTANT PRINCIPLE.

HE DECIDED TO CONSTRUCT A TELEGRAPH OF HIS OWN TO ENABLE HIM
TO DEMONSTRATE THE ELECTRICAL EFFECTS HE HAD DISCOVERED IN A
CLASSROOM AT ALBANY. HE ARRANGED ALMOST A MILE OF WIRE ROUND
THE CLASSROOM, AT ONE END HE CONNECTED A 'TROUGH' (SEE BELOW),
AT THE OTHER AN INTENSITY ELECTROMAGNET, CLOSE TO WHICH WAS
PIVOTED A PERMANENT MAGNET. WHEN THE CIRCUIT WAS CLOSED THE
ELECTROMAGNET ATTRACTED THE PERMANENT MAGNET, WHICH, WHEN IT
MOVED, STRUCK A BELL. THIS IS ALMOST CERTAINLY THE FIRST
ELECTROMAGNETIC TELEGRAPH.

HENRY CONSTRUCTED A SECOND TELEGRAPH AT PRINCETON AFTER BEING
APPOINTED A PROFFESSOR THERE IN 1832. IT WAS SIMILAR TO THE
ONE AT ALBANY BUT WAS MODIFIED BY USING A WATER WELL AT EACH
END OF THE COMMUNICATING LINE. HE WAS NOT THE FIRST TO USE THE
EARTH AS ONE OF THE TELEGRAPHIC CONDUCTORS, BUT, HIS WORK WAS

INDEPENDENT OF OTHER WORKERS. UNFORTUNATLEY

HE DID NOT TAKE OUT PATENTS FOR THIS PIECE OF WORK OR EVEN PUBLISH DETAILS OF HIS TELEGRAPH. HE HAD TO ASK FOR EVIDENCE FROM 'EYE WITNESSES' TO THE EXISTENCE OF HIS TELEGRAPH IN HIS DISPUTE WITH MORSE SOME YEARS LATER. HIS LAW ACTION IS PROBABLY THE ONLY REASON THIS SECTION OF HIS WORK IS KNOWN TODAY.

THIS SECTION TOO LONG FOR ONE WEEK. 73S FOR NOW DE COL VK2CTD.

PS. THE 'TROUGH' WAS THE CRUICKSHANK MULTI-CELL BATTERY, SO CALLED BECAUSE THE ACID WAS CONTAINED IN A LONG WOODEN TROUGH. THE PLATES WERE SQUARE SHEETS OF COPPER AND ZINC, SOLDERED TOGETHER IN PAIRS TO FORM DOUBLE-THICKNESS SQUARE SLABS. THESE SLABS WERE HELD IN VERTICAL GROOVES CUT IN THE SIDES OF THE TROUGH, THUS FORMING A NUMBER OF SEPARATE CELLS CONNECTED TOGETHER IN SERIES.

IPS WEEKLY SOLAR AND GEOPHYSICAL REPORT
(28 FEBRUARY - 06 MARCH)

ISSUED ON 07 MARCH 1997

SUMMARY

Date	28	01	02	03	04	05	06
10cm	73	0	72	74	74	75	75
A	28	11	14	8	4	11 (	10)
T	12	22	19	13	8	6	34

SOLAR ACTIVITY WAS VERY LOW ALL WEEK.

THE GEOMAGNETIC FIELD AT LEARMONTH, W.A. WAS QUIET OR QUIET TO UNSETTLED DURING THE PERIOD. THERE WERE BRIEF ACTIVE PERIODS ON 2ND AND 6TH MARCH.
FREQUENCIES WERE NEAR MOSTLY NEAR PREDICTED MONTHLY VALUES WITH SOME DEPRESSED PERIODS TO 15 PER CENT ON 28TH FEBRUARY, AND 1ST MARCH; AND WITH DEPRESSED PERIODS TO 10 PER CENT ON 3RD AND 4TH MARCH.

FORECAST (07 MARCH - 13 MARCH)

SOLAR: VERY LOW

GEOMAGNETIC: UNSETTLED TO ACTIVE 07-10 MARCH, QUIET TO UNSETTLED DURING OTHER DAYS.

FREQUENCIES: UP TO 30 PER CENT DEPRESSIONS IN MUF'S POSSIBLE DURING 07-10 MARCH, NORMAL CONDITIONS EXPECTED FOR THE REST OF THE PERIOD.

COURTESY OF IPS RADIO AND SPACE SERVICES

RTDX0228 RTTY DX
VK2SG RTTY DXNOTES FOR WEEKENDING FEB. 28TH, 97 (BID RTDX0228)

Our thanks this week go to: ZS5S, W2JGR, WB2CJL, WX5L,W5KSI, AA5AU, KB2ZP, PA0HVF, DF2KU, I5IGQ,IK1HSR,I1JQJ and the 425 DX

gang, DJ3IW and the Central-Europe DX Cluster DB0SPC, the NJ0M
Node of Minnesota and the IK5PWJ Cluster.

BANDPASS:
FRIDAY 21
0716-14085 4Z4DX
1418-14083 J75T
1417-14088 OY4TN
1440-14084 UT0IF
1533-14086 VU2OXX
1626-14089 V85GA
1639-14084 VU2MTT
1641-14090 J28MD
1642-14082 IS0MVE
1657-14085 9A3FT
1725-14089 5H3LM
1947-14083 9Q5PA
2335-14083 KH6DRT

SATURDAY 22
0036-14084 VP8CKN
0110-14088 P29VXX
0306-21080 P29VXX
1129-14084 4Z4DX
1345-14089 EU1AZ
1354-14083 YL1XX
1355-14085 4X6UO
1405-14085 3B8/IK2GNW
1415-14091 VU2OXX
1427-14087 J28JY
1426-14081 YL2DX
1429-14085 V85GA
1456-14090 VU2MTT
1553-14081 UT5FB
1555-14085 SV2DGH
1555-14087 UA2AO
1613-14081 VU2OXX
1635-14084 HA5BSW
1625-14086 OY4TN
1649-14081 J75T
1650-14089 IS0UGV
1657-14085 9A3FT
1659-14087 LX1NJ
1659-14080 S58AA
1912-14084 EA9JZ
1947-14083 9Q5PA
2000-14079 7Q7EH
2108-14079 J75T

SUNDAY 23
0719-14083 9Q5PA
0738-14085 N4UQM/LH2
0756-14080 P29VXX Qsl DL7UFN
0859-14085 JA1BK testing BS7H rtty gear
1012-14088 IS0GYU
1044-14085 CT3EE
1104-14088 OY4TN
1218-14078 VU2OXX
1303-14082 UA2AO
1304-14086 HK3OOU
1317-14090 UT9NA
1403-14086 TF3GC
1408-14080 7S3OYE Qsl DL6LAU

1424-14086 GI4WXA
1449-14084 HK3GP
1718-14089 ES7AAZ
1738-14087 WP4Q
1926-14078 VU2OXX
1956-14083 FG5GG
1957-14088 IS0VBH
2132-14081 J75T
2119-14083 VK2KM
2349-14085 VP8CKN
2349-14085 YL2DX

MONDAY 24
0010-14087 KL7WP
0045-14084 VP8CKN
0047- 7083 HK3SGP
0854-14081 P29VXX qsx up 5
1121-14069 YL2KF Pactor
1148- 3590 N4UQM/KH2
1158-10135 N4UQM/KH2
1312-14073 5X4F Pactor
1539-14087 VU2OXX
1546-14089 4Z4DX
1715-14087 OY4TN
1810-14083 TF3GC
1811-14086 S79MAD
1815-14085 EA9JZ
2344-14083 VP8CKN

TUESDAY 25
0052-14084 VP8CKN
1319-14085 SV2DGH
1445-14090 PJ8/W8EB
1509-14090 YU7AL
1506-14086 UR5EDU
1507-14082 YO9ALY
1604-14084 OD5NJ QSL via p.o. bOX 70647, Beirut
1610-14084 UT9NA
1622-14086 TF3GC
1642-14085 OM2DX
1642-14089 4Z5AO
1712-14079 OYATN
1756-14089 9X4WW
1812-14083 CT3BX
2043-14083 J75T
2137-14087 WP4O

WEDNESDAY 26
0800-14085 YL2DX
1347-14083 A92GD
1359-14089 LM1KSI
1429-14084 PJ8/W8EB
1528-14085 4Z4DX
1726-14086 OY4TN
1734-14084 VU2MTT
1750-14089 EA9JZ
1859-14087 CO3ZD
2050-14080 J75T
2052-14084 VK2KM
2057-14082 CO2KG
2103-14086 UT9NA

THURSDAY 27

0226- 7036 LU7APT
0242-10139 S79MAD
0742-14083 VK5AN
0809-14083 A92GD
1001-14073 YL2KF Pactor
1053-14090 PJ8/W8EB
1317-14085 4Z4DX

NOTE OF INTEREST:

BS7H, Scarborough Reef. Even though there will be RTTY gear at BS7H, there are many things to setup by the team. An important one is the separation between stations site to work two modes on the same band against the free space on the island. Anyway Kan Mizoguchi, JA1BK a world wide and experienced operator has been spotted on Sunday 23rd testing the rtty gear. The goal is to provide at least one QSO with as many as possible. For this reason, the operators will concentrate on those regions having the most difficult propagation paths.We must project the need for rtty to anyone that can cary the message to the group. For more info please contact Tim Totten, N4GN (ex-KJ4VH), at E-mail n4gn at iglou.com or check the BS7H 1997 Home Page:
(http://www.iglou.com/n4gn/sr/)

The VK2SG RTTY DX NOTES are also available on Internet at reflectors digital-dx st.rim.or.jp. See also the OH2BUA WebCluster at URL http://www.clinet.fi/jukka/webcluster.html.

For next week's bulletin send your bandpass to Bob, WB2CJL at W5KSI.(hashsign)NOLA.LA.USA.NA or e-mail wb2cjl at juno.com

Gl de (DX2) Luciano, I5FLN

ARLD011 DX news

This week's bulletin was made possible with info provided by 425DXnews, DXNL, The 599Rpt, John, KK9A, Paul, K1XM, Chuck, N4BQW, and Contest Corral from QST. Thanks to all.

EASTERN MALAYSIA, 9M. Charlotte, KQ1F, and Paul, K1XM, will be QRV from Sabah, Malaysia, starting in mid March. Callsigns are 9M6TCR and 9M6TPR, respectively. QSL all calls to KQ1F.

ZAIRE, 9Q. 9Q5PA will be QRV for the next 15 months. QSL via Frank Patris, c/o American Embassy Kinshasa, Unit 31550, APO 09828, USA.

QATAR, A7. Chris, A71CW, will be QRT by the end of March. >From here, he travels to Oman, A4. No callsign information as yet is available.

GUERNSEY, GU. F5SHQ is QRV on CW as MU0ASP. He expects to be here for several months. QSL to Mathieu Roche, 4 Cours de la Liberation, F 33000 Bordeaux, France.

DJIBOUTI, J2. Dominique, F5RYC is QRV as J28YC. QSL via F6EJI.

MIDWAY ISLAND, KH4. Astronaut Chuck Brady, N4BQW, will be QRV

from here February 27 to March 6, during the closing of the historic Midway Island Naval Station. He intends on bringing HF and 2 meter equipment. There is also the possibility of some RTTY operation. The callsign he will use is unknown at this time. Check PacketCluster spots for the latest information.

The Ohio/Penn Dx PacketCluster
DX Bulletin No. 294 -- Excerpts

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, K2BF, N3SL, 9K2HN, DJ5AV & DX News Letter, DL3ABL, F6AJA, G4BUE & DX News Sheets, I4LCK, JH2PDS/1, LA6WEA, OZ8RO, SP6ECA, VE6NU, VK3EW and ZS1AEC for the following DX information.

9M6, MALAYSIA. Charlotte, KQ1F, and Paul, K1XM, will be operating from Sabah starting in mid-March. Their callsigns are 9M6TCR and 9M6TPR respectively. This is a combined scuba-diving and amateur radio trip. They will bring a small station consisting of an Icom IC-735 and Cushcraft AP-8 vertical. Operation is planned from three islands, all using the same callsigns: Borneo, Sipadan and Layang Layang. QSL all via KQ1F.

FR, REUNION ISLAND. Guy, F5MNW, will be active as FR/F5MNW or TO5UFT from here March 22nd to April 6th. He will be mostly active on CW. Also, look for FR/IK2GNW to be active, especially on 80 and 160 meters from March 15-20th.

JX, JAN MAYEN. Per, JX7DFA, continues to be active on the lower bands. He has been on almost every day during the last week working stateside stations during their evening hours (around 0300z). For CW, check 3512 and 1824.5 kHz and for SSB on 3599 and 1842 kHz. Meanwhile, Per has promised to come on RTTY before he leaves the island. He is currently facing some problem with the rtty interface but hopes to solve the problem soon. QSL to his homecall LA7DFA.

T33, BANABA ISLAND. Ron, ZL1AMO, hopes to go to Banaba Island in April. No other details were given.

ZK1, SOUTH COOK ISLAND. Willy, VE6JO, will be in Raratonga from now until March 10th. His callsign will be ZK1JOO. Details on operating were not provided.

Excerpts and distribution of The OPDX Bulletin are granted as long as KB8NW/OPDX/BARF80 receive credit.

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD at VKWI2, or the Secretary (Pat) VK2JPA at VK2WI.

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73s de Pat VK2JPA Broadcast Officer
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Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2KFU.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40  5E 63 5C 65 FC A0 22 99
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